a first knowledge base comprising a plurality of different therapeutic treatment regimens for said disease or medical condition;

a second knowledge base comprising a plurality of expert rules for evaluating and selecting a therapeutic treatment regimen for said disease or medical condition;

a third knowledge base comprising advisory information useful for the treatment of a patient with different constituents of said different therapeutic treatment regimens; and

(b) generating in said computing device <u>from said patient information and said first knowledge base</u> a listing of available therapeutic treatment regimens for said patient; and

(c) generating in said computing device advisory information for one or more therapeutic treatment regimens <u>for said patient</u> in said listing based on said patient information and said expert rules.

4. (Amended) A method according to claim 1, said patient information comprising gender, age, weight, CD4 information, viral load information, HIV genotype and phenotype information, hemoglobin information, neuropathy information, neutrophil information, pancreatitis, hepatic function, renal function, drug allergy and intolerance information[, and information for drug treatments for other conditions].

20 21. (Amended) A method according to claim 1, wherein said <u>first</u> knowledge base comprises a plurality of different combination therapeutic treatment regimens.

23 24 (amended). A system for guiding the selection of a therapeutic treatment regimen for a patient with a <u>chronic</u> known disease or medical condition, said system comprising:

(a) a computing device comprising:

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a first knowledge base comprising a plurality of different therapeutic treatment regimens for said disease or medical condition;

a second knowledge base comprising a plurality of expert rules for selecting a therapeutic treatment regimen for said disease or medical condition;

a third knowledge base comprising advisory information useful for the treatment of a patient with different constituents of said different therapeutic treatment regimens; and

(b) means for providing patient information to said computing device, said patient information including prior therapeutic treatment regimen information for said chronic known disease or medical condition;

(c) means for generating in said computing device from said patient information and said first knowledge base a listing of therapeutic treatment regimens for said patient for said chronic known disease or medical condition; and

(d) means for generating in said computing device advisory information for one or more therapeutic treatment regimens for said patient in said listing based on said patient information and said expert rules.

26. 27. (Amended) A system according to claim 23, said patient information comprising gender, age, weight, CD4 information, viral load information, HIV genotype and phenotype information, hemoglobin information, neuropathy information, neutrophil information, pancreatitis, hepatic function, renal function, drug allergy and intolerance information[, and information for drug treatments for other conditions].

47. 44. (Amended) A system according to claim 23, wherein said first knowledge base comprises a plurality of different combination therapeutic treatment regimens.

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47. (Amended) A computer program product for guiding the selection of a therapeutic treatment regimen for a patient with a <u>chronic</u> known disease or medical condition, said computer program product comprising a computer usable storage medium having computer readable program code means embodied in the medium, the computer readable program code means comprising:

(a) computer readable program code means for generating [a computing device comprising]:

a first knowledge base comprising a plurality of different therapeutic treatment regimens for said disease or medical condition;

a second knowledge base comprising a plurality of expert rules for selecting a therapeutic treatment regimen for said disease or medical condition;

a third knowledge base comprising advisory information useful for the treatment of a patient with different constituents of said different therapeutic treatment regimens; and

(b) computer readable program code means for providing patient information<u>, said patient information including prior therapeutic treatment regimen information for said chronic known disease or medical condition</u> [to said computing device];

(c) computer readable program code means for generating [in said computing device] <u>from said patient information and said first knowledge base</u> a listing of available therapeutic treatment regimens for said patient<u> for said chronic known disease or medical condition</u>; and

(d) computer readable program code means for generating [in said computing device] advisory information for one or more therapeutic treatment regimens <u>for said patient</u> in said listing based on said patient information and said expert rules.

48. (Amended) A computer program product according to claim 47, further comprising:

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(e) computer readable program code means for entering a user-defined therapeutic treatment regimen for said disease or medical condition that is not generated or displayed via said first knowledge base;

(f) computer readable program code means for generating [in said computing device] advisory information for said user-defined combination therapeutic treatment regimen.

49. (Amended) A computer program product according to claim 48, further comprising:

(g) computer readable program code means for entering a non-recommended therapeutic treatment regimen for said disease or medical condition that is included in said first knowledge base but not recommended from said listing; and

(h) computer readable program code means for generating [in said computing device] advisory information for said non-recommended therapeutic treatment regimen, said advisory information including at least one reason for non-recommendation of said therapeutic treatment regimen.

50 (amended). A computer program product according to claim 47, said patient information comprising gender, age, weight, CD4 information, viral load information, HIV genotype and phenotype information, hemoglobin information, neuropathy information, neutrophil information, pancreatitis, hepatic function, renal function, drug allergy and intolerance information[, and information for drug treatments for other conditions].

52. (Amended) A computer program product according to claim 47, 45 wherein said patient information includes prior patient information [stored in said computing device].

54. (Amended) A computer program product according to claim 47 wherein said <u>computer readable program code means</u> [computing device] comprises

computer readable program code means for generating a fourth knowledge base comprising patient therapeutic treatment regimen history, said advisory information including previous therapeutic treatment regimen information extracted from said fourth knowledge base.

63. 66. (Amended) A computer program product according to claim 47, 45 wherein said first knowledge base comprises a plurality of different combination therapeutic treatment regimens.

65. 68. (Amended) A computer program product according to claim 47, further comprising:

    (e) computer readable program code means for accessing[, via said computing device,] information for one or more therapeutic treatment regimens from a standard drug reference source.

REMARKS

This application is a continuation of the allowed parent application. The claims submitted herein are different from those allowed in the parent application and are added to complete the record.

1. The Amended Claims.

Claims 5, 28, and 51 have been cancelled for the purpose of rewriting by incorporation into independent claims 1, 24 and 47, respectively. Claims 1, 24, and 47 have been further amended to specify that the disease or medical condition is "chronic". Support is found in the specification at page 15, line 13. Claims 1, 24 and 47 have been further amended to explain that the step of generating the listing of available therapeutic treatment regimens for the chronic disease is carried out *from* the patient information that is entered and the information contained within the first knowledge base. Finally, claims 1, 24 and 47 have been amended to clarify that the advisory information generated is *for the patient* and not for the disease organisms in general. Support for the foregoing amendments is found in the cancelled claims and in the specification (*see, e.g.,* claims 5,